

**ABSTRACT OF THE DISCLOSURE**

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**METHOD AND SYSTEM FOR  
IMPLEMENTING AN APPLICATION-BASED NAMING SYSTEM**

A method is presented for processing names by a naming service. A naming service obtains an application  
10 name for an application along with at least one deployment attribute for a deployment of an instance of the application within a data processing system. The naming service generates an application-based name for the instance of the application; the application-based  
15 name represents a context within a naming system that is supported by the naming service, and the application-based name is a compound name that includes the application name and at least one deployment name for a deployment attribute. A deployment attribute is a  
20 metadata value, such as a deployment identifier or version identifier, that characterizes a manner in which the instance of the application is deployed within the data processing system.